

PRELIMINARY AMENDMENT
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A2

12. An antimicrobial composition comprising recombinant ruminant stomach lysozyme and endo-(β)-N-acetylglucosaminidase or endoglycopeptidase.

13. The composition of Claim 12, wherein said lysozyme is lysozyme c.

14. The composition of Claim 12, wherein said endo-(β)-N-acetylglucosaminidase is Endo-F, Endo-D or Endo-H.

15. The composition of Claim 12, wherein said endoglyopeptidase is PNGase F or PNGase A.

16. The composition of Claim 12, wherein the weight ratio of ruminant stomach lysozyme to endo-(β)-N-acetylglucosaminidase or endoglyopeptidase is from 1:4 to 4:1.

17. The composition of Claim 16, wherein said ratio is 2:1 to 1:2.

18. The composition of Claim 12, comprising from 1 to 1000 ppm of said ruminant stomach lysozyme and from 1 to 1200 ppm endo-(β)-N-acetylglucosaminidase or endoglyopeptidase.

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19. The composition of Claim 18, comprising 50 to 400 ppm of said lysozyme.

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20. The composition of Claim 14, comprising from 80 to 150 ppm each of Endo-H and lysozyme.

21. The composition of Claim 12, wherein said composition comprises mouthwash, denture cleaner, dentifrice, laundry detergent, preservative, contact lens cleaner, liquid soap or skin cleanser.

22. The composition of Claim 12, further comprising from 1 to 90 weight % detergent surfactant selected from the group consisting of anionic, nonionic, cationic, ampholytic and zwitterionic surfactants.

23. The composition of Claim 12, wherein said composition is a mouthwash, denture cleaner or dentifrice comprising from 1 to 150 ppm each of Endo-H or PNGase F and bovine lysozyme c2.

24. The composition of Claim 12, wherein said composition is a liquid or granular laundry detergent comprising from 2 to 250 ppm each of Endo-H and bovine lysozyme c2, and from 5 to 50 weight % of detergent surfactant selected from the

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group consisting of anionic, nonionic, cationic, ampholytic and zwitterionic surfactants.

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25. The composition Claim 12, wherein said composition is a preservative for a shampoo or cosmetic.

26. The composition of Claim 12, wherein said composition is a liquid hand soap further comprising from 10 to 40 weight % of detergent surfactant selected from the group consisting of anionic, nonionic, cationic, ampholytic and zwitterionic surfactants.

27. The composition of Claim 12, wherein said composition comprises lysozyme c and an endoglycosidase or endopeptidase selected from the group consisting of Endo-H, Endo-F, Endo-D, PNGase A and PNGase F , and wherein the weight ratio of said ruminant stomach lysozyme c to endoglycosidase in said composition is preferably from 1:4 to 4:1.

28. The composition of Claim 27, wherein said endoglycosidase is Endo-H.

29. The composition of Claim 27, wherein said endoglycopeptidase is PNGase F.